

The neutron guide hall at the
NIST Center for Neutron Research (NCNR).



1989



2005

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NEUTRON RESEARCH AT NIST

A Symposium Honoring Mike Rowe and Jack Rush



QUALITY SUITES SHADY GROVE HOTEL
ROCKVILLE, MARYLAND
SEPTEMBER 9, 2005

PROGRAM

- 8:00 a.m.** Registration
- 8:30 a.m.** **Words of welcome (Pat Gallagher, chair)**
- 8:30 a.m. Pat Gallagher (NIST Center for Neutron Research)
- 8:40 a.m. Lyle Schwartz (Air Force Office of Scientific Research)
- 8:50 a.m. Pat Dehmer (US Department of Energy)
- 9:00 a.m.** **Session 1 (John Axe, chair)**
- 9:00 a.m. Robert Birgeneau (University of California, Berkeley)
Superconductivity and magnetism: friends or foes?
- 9:35 a.m. Sunil Sinha (University of California, San Diego)
Combined x-ray and neutron scattering studies of magnetic nanostructures
- 10:10 a.m.** Morning break
- 10:40 a.m.** **Session 2 (Jim Rhyne, chair)**
- 10:40 a.m. Karl Michel (University of Antwerp) *Statics and dynamics of C₆₀ in carbon nanotubes*
- 11:15 a.m. Dieter Richter (Forschungszentrum Jülich) *Neutrons in soft matter science*
- 11:50 a.m. Andreas Magerl (University of Erlangen-Nürnberg)
Hydrogen in metals as a postdoc and beyond
- 12:25 p.m.** Lunch
- 1:45 p.m.** **Presentation of TRTR Award (Tawfik Raby and Sy Weiss, cochairs of TRTR)**
- 2:00 p.m.** **Session 3 (Julia Weertman, chair)**
- 2:00 p.m. Mike Klein (University of Pennsylvania) *Computer simulation studies of self-assembly: from materials to chemical biology*
- 2:35 p.m. Nitash Balsara (University of California, Berkeley)
Formation of the critical nucleus studied by neutron scattering and Monte Carlo simulations
- 3:10 p.m. Steve White (University of California, Irvine)
Determination of dynamic 3-d structures of peptides in membranes using diffraction and molecular dynamics simulations
- 3:45 p.m.** **Afternoon break**
- 4:15 p.m.** **Session 4 (Jack Carpenter, chair)**
- 4:15 p.m. David Price (CRMHT, Orléans) *Structure and dynamics of levitated liquids*
- 4:50 p.m. Sam Werner (NIST Center for Neutron Research)
Neutron interferometry: from Missouri to NIST
- 5:25 p.m.** **End of Symposium**
- 6:30 p.m.** **Cash bar**
- 7:00 p.m.** **Dinner (Roger Pynn, master of ceremonies)**